

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY (DMLT) SYLLABUS

Syllabus (Detailed Syllabus will be available from the Directorate of Medical Education, Thiruvananthapuram by paying an amount of Rs.50/- as DD in favour of Secretary, paramedical council payable at SBT Main Branch , Thiruvananthapuram).

Basic knowledge of Anatomy, Physiology and Forensic medicine. Training in Laboratory method, Technique and management in the following subjects-

1) Laboratory management and Ethics, General laboratory techniques and use of apparatus, quality control, Basic Electricity & Electronics,

Lecture 50 hrs; practical 50 hrs

2) Anatomy, Physiology and Forensic medicine

Lecture 30 hrs; practical 30 hrs

3) Clinical Biochemistry

Lecture 141 hrs; practical 282 hrs

4) Microbiology

A) General microbiology - lecture 10 hrs; practical 20 hrs

B) Medical Microbiology- lecture 60 hrs; practical 123 hrs

c) Parasitology lecture 30 hrs; practical 60 hrs

d) Mycology lecture 10 hrs; practical 20 hrs

e) Virology lecture 10 hrs; practical 20 hrs

F) Immunology lecture 20 hrs; practical 40 hrs

5) Pathology

A) Haematology, lecture 30 hrs; practical 72 hrs

B) Clinical pathology lecture 35 hrs; practical 70 hrs

C) Blood banking lecture 35 hrs; practical 70 hrs

D) Histotechnology and cytology lecture 36 hrs; practical 70 hrs

6) In addition to the theory and practical classes, laboratory assignments in the different laboratories of the Medical college hospitals attached as follows

Biochemistry lab postings : 285 hrs

Microbiology lab postings : 285 hrs

Pathology lab postings : 285 hrs

Evaluation

i) At the end of Laboratory Assignment, each student brings completion certificate and attendance percentage report from the medical officers concerned from the different laboratories of Medical college Hospital/Institute's Hospital

ii) Three Average Examinations (theory and practical) will be conducted in due course.

iii) Final examination at the end of IInd year.

Scheme of Examination:-

Number of Papers - Three (one each in Biochemistry, Pathology and Microbiology)

Duration of written examination - 3 hrs

Maximum marks - 100

Viva voc – maximum marks - 50

Practical - maximum marks - 150

Duration of examination

Biochemistry - 2 days

Microbiology - 3 days

Pathology - 2days

Criteria for a pass in the subject

Minimum marks in theory - 45

Minimum marks in practical - 75

Minimum marks in average exam. - 20

Minimum marks for the subject - 200

Question paper

Biochemistry Section A§ion B

Microbiology including Parasitology Section A&B

Haematology,Clinical Pathology,Histopathology including Blood Banking Section A§ion B

Awarding of certificate

Second Class/Pass 50% or above

First class - 65% or above

Distinction - 75% or above

Supplementary examination

A supplementary examination will be conducted after 3 months for those failed in the subject/subjects. Separate internal assessment examination will be conducted in theory and practical before the supplementary examination.

Eligibility criteria for appearing in the in the final examination

Minimum Attendance - 80%

Minimum Internal Assessment marks - 40%

Examiners

External Examiner 1

Internal Examiner 1